

Serial No. 07/782,696

PATENT

(A1 Cont.)

6 compressed state, said spring assembly radially expanding  
7 said graft to substantially conform said graft at a  
8 particular position on an interior wall of a lumen when  
9 said prosthesis assembly is positioned in the lumen and  
10 said spring assembly is released from said compressed  
11 state; and  
12 introducer means for containing said spring assembly  
13 in said compressed state; and  
14 means positioned in said bore of said graft for  
15 retaining said prosthesis assembly at the particular  
16 position in the lumen while said introducer means is  
17 withdrawn from said prosthesis assembly releasing said  
18 spring assembly from said compressed state.

Add new claim 25 as follows:

1 25. The transluminal device of claim 24 wherein said  
2 introducer means include a tubular introducer sheath with  
3 a longitudinal bore and wherein said prosthesis assembly is  
4 positioned within said bore of said introducer sheath.

Add new claim 26 as follows:

1 <sup>11</sup>26. The transluminal arrangement of claim <sup>10</sup>24 wherein said  
2 means for retaining comprises an elongated member having a  
3 dilator head at a distal end thereof, said head serving to  
4 facilitate penetration of said arrangement within the lumen  
5 and to minimize deleterious blood flow through the lumen  
6 during positioning of said arrangement.

Add new claim 27 as follows:

1 <sup>24</sup>27. The transluminal arrangement of claim 24 wherein said  
2 means for retaining comprises means for releasing said  
3 prosthesis assembly from said means for retaining when said  
4 prosthesis assembly is positioned at the particular  
5 position in the lumen.

Serial No. 07/782,696

PATENT

Add new claim 28 as follows:

(a1 cont.)

1 28. A method of transluminally positioning a prosthesis  
2 assembly at a particular position on an interior wall of a  
3 lumen, comprising the steps of:  
4 providing access to a lumen;  
5 providing a prosthesis assembly positioned in an  
6 introducer sheath and including a graft having a  
7 longitudinal bore and a spring assembly having a compressed  
8 state, said spring assembly radially expanding said graft  
9 to substantially conform said graft at a particular  
10 position on an interior wall of a lumen when said  
11 prosthesis assembly is positioned in the lumen and said  
12 introducer sheath is withdrawn from said prosthesis  
13 assembly releasing said spring assembly from said  
14 compressed state;  
15 providing means positioned in said bore of said graft  
16 for retaining said prosthesis assembly at the particular  
17 position in the lumen;  
18 positioning said introducer sheath through said access  
19 to the particular position in the lumen; and  
20 withdrawing said introducer sheath from said  
21 prosthesis assembly positioned at the particular position  
22 in the lumen.

Add new claim 29 as follows:

1 29. A transluminal arrangement for positioning a  
2 prosthesis assembly at a particular position on a wall of  
3 a lumen, said prosthesis assembly including a graft having  
4 a longitudinal bore and a spring assembly having a  
5 compressed state, said spring assembly radially expanding  
6 said graft to substantially conform said graft at a  
7 particular position on an interior wall of a lumen when  
8 said prosthesis assembly is positioned in the lumen and  
9 said spring assembly is released from said compressed  
10 state, said transluminal arrangement comprising:

C

Serial No. 07/782,696

PATENT

11 means positioned in said bore of said graft for  
12 retaining said prosthesis assembly at the particular  
13 position in the lumen; and  
14 means for releasing said prosthesis assembly from said  
15 retaining means when positioned at a particular position in  
16 the lumen.

Add new claim 30 as follows:

1 30. The transluminal arrangement of claim 29 further  
2 comprising an introducer sheath with a longitudinal bore  
3 and wherein said prosthesis assembly is positioned within  
4 said bore of said introducer sheath.

Add new claim 31 as follows:

a/cont-  
Sub B6

1 31. A transluminal arrangement for transluminally  
2 positioning a prosthesis assembly (1,12,31) of  
3 predetermined shape and size at a particular position on an  
4 internal wall (20) of a lumen, said prosthesis assembly  
5 comprising a graft (1) associated with a spring assembly  
6 (12,31), said transluminal arrangement comprising an outer  
7 sheath (4) for surrounding said prosthesis assembly when  
8 the latter is located at the particular position, and means  
9 (39,39',21, 26) for retaining said prosthesis assembly at  
10 the particular position while said outer sheath is being  
11 removed, characterized in that said retaining means has  
12 connected thereto an attachment arrangement (39,39') to be  
13 temporarily attached to said prosthesis assembly at one or  
14 more positions remote from a proximal end of said  
15 prosthesis assembly.

Add new claim 32 as follows:

1 32. The transluminal arrangement of claim 31,  
2 characterized in that said retaining means comprises an  
3 elongated member (21) to be extended within said prosthesis  
4 assembly, and in that said attachment arrangement is  
5 extended between said elongated member and said prosthesis  
6 assembly at said one or more positions.

Serial No. 07/782,696

PATENT

[ Add new claim 33 as follows:

1 ~~33.17~~ 18 The transluminal arrangement of claim ~~32~~,  
2 characterized in that said elongated member is tubular and  
3 has a dilator head (22) at a distal end thereof, said head  
4 serving to facilitate penetration of said transluminal  
5 arrangement within the lumen and to minimize deleterious  
6 blood flow through the lumen during positioning of said  
7 prosthesis assembly.

Sub B7  
A1 cont.  
Add new claim 34 as follows:

1 34. The transluminal arrangement of claim ~~33~~,  
2 characterized in that a contraction arrangement (39,  
3 39',21) is provided to temporarily pull said prosthesis  
4 assembly inwardly to a compressed condition when said  
5 prosthesis assembly is within said sheath, and in that a  
6 disabling arrangement (26) is provided for expandably  
7 releasing said prosthesis assembly either during or after  
8 removal of said sheath.

Add new claim 35 as follows:

1 ~~35.19~~ 18 The transluminal arrangement of claim ~~34~~,  
2 characterized in that said contraction and disabling  
3 arrangements form part of said attachment arrangement, and  
4 in that part of said contraction and disabling arrangements  
5 are located and controlled within said elongated tubular  
6 member.

Sub B8  
Add new claim 36 as follows:

1 36. The transluminal arrangement of claim 35,  
2 characterized in that said attachment arrangement comprises  
3 one or more connectors each in the form of sutures (39,  
4 39') connected at one end to said prosthesis assembly and  
5 at the other end to inside of said elongated tube via  
6 apertures (29,101) and in that said disabling arrangement  
7 (26) is provided for releasing said sutures from inside  
8 said elongated tube.